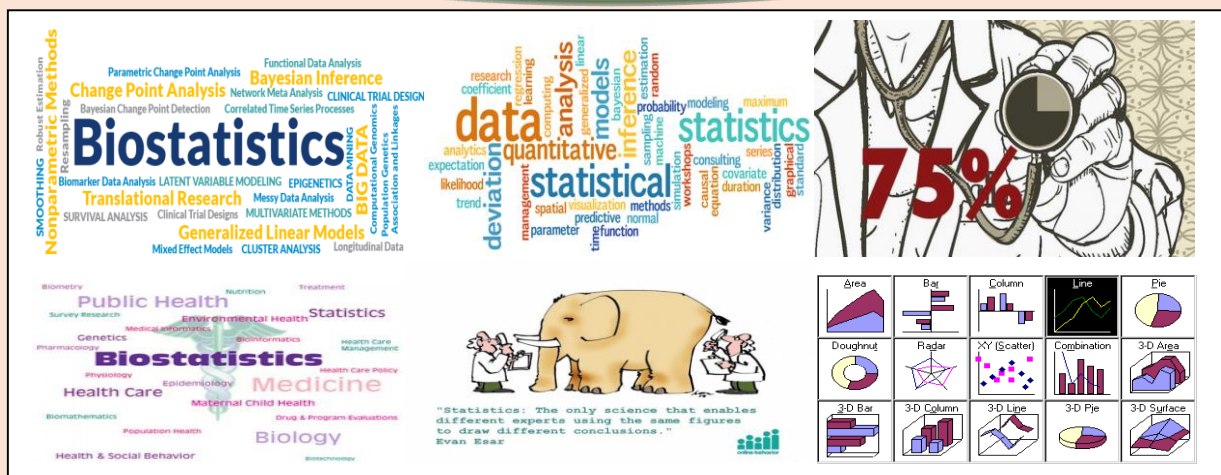




# Bharati Vidyapeeth Deemed to be University, Pune

## Certificate course in “Biostatistics in Medical Research”

Batch V: Starts from 6th May  
2023



Conducted by: Department of Community Medicine, Bharati Vidyapeeth (DTU) Medical College, Pune - 411043

- Duration – 3 Months; Every Saturday- Half Day (4 Hours)
- Eligibility – M.B.B.S./B.D.S./B.P.T./B.A.M.S./B.H.M.S./B.Sc./Any Graduate
- Intake Capacity – 20 per batch
- Fees – Rs.7500/- for the course
- Last date for registration – 30 April 2023
- Course coordinator: Dr. Rupeshkumar Deshmukh (Mob - 9766750539)
- Methodology – Offline Lectures + Hands on / Software Sessions
- Evaluation - Written & Practical Examination

**Faculty:**

- 1) Dr. Rupeshkumar Deshmukh
- 2) Mr. Gurrudatt Potdar
- 3) Mrs. Aruna Deshpande

**Eligibility for Exam:**

- **80% attendance and 50% marks in all assignments**

**Mode of Course:** Offline**Exam Pattern:**

- Weekly Assignments – 5 marks/Assignment (total 10 assignments) – 50 marks
- Final Theory examination – 50 marks
- Final Practical Examination – 50 marks
- For Passing 50% marks are essential (At least 40% marks are essential in each head of practical & theory)
- In case, candidate does not secure desired marks in final examination
- supplementary examination will be conducted after 4 weeks. Those who do not clear on this supplementary exam will appear with next batch examination.

**Competencies gained at the end of this course–**

After finishing this course participant will understand

- 1) Tabular and graphical presentation of data.
- 2) Data cleaning, data validation, normality of data.
- 3) Use and application of different statistical test on different types of data.
- 4) The concept of statistical analysis and interpretation of data.
- 5) Able to analyze data using MS-Excel and SPSS.

**How to register for the course:**

By sending application and brief CV via email to [biostat.mcpune@bharativedyapeeth.edu](mailto:biostat.mcpune@bharativedyapeeth.edu) or <https://forms.gle/bJnqirJEbif5skMi8>

**Contact Details:**

**Dr. Rupeshkumar Deshmukh (9766750539)**

**Mr. Gurudatt Potdar**

M.Sc., Ph.D. (Statistics)

M.Sc.(Statistics)

### **Syllabus: Theory and Practical Sessions (4 Hrs Each)**

1. Data, data sources, data types, scale, measurement of scales, tabulation & graphical presentation of data, hands on sessions on graphical presentation.
2. Descriptive statistics, measure of central tendency, measure of dispersion, coefficient of variations, hands on sessions on measure of central tendency & dispersion.
3. Probability and its distributions, normal distributions & its characteristics, examples of Probability and Normal Distribution.
4. Introduction to sampling, sampling techniques, probability & non probability sampling, Sample size estimation with their examples.
5. Study Design
6. Slandered Error of Means and Proportions and their 95% Confidence Intervals with examples
7. Testing of hypothesis, hypothesis, null, alternative, One-sided, two-sided hypothesis, level of significance, Type-1, type-II error, power of test.
8. Parametric test: t-test- one sample, paired, intendent t-test hands on session on these test.
9. Non Parametric test: One sample, 2-sample proportions test, hands on session on these test
10. Non-Parametric test: Chi-square, sign rank test, median test, Mann Whitney test, hands on session on these test.
11. Non-Parametric test: Chi-square & Fishers exact test, hands on session on these test.
12. Measure of relationship, correlation, rank order correlation, hands on session.

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#### **Contact Details:**

**Dr. Rupeshkumar B. Deshmukh**  
**M.Sc., Ph.D. (Statistics)**  
**Biostatistician (Assistant Professor)**  
**Department of Community Medicine**  
**Bharati Vidyapeeth DTU Medical College Pune**  
**Contact No- 9766750539**  
**E-mail: [biostat.mcpune@bharatividyaapeeth.edu](mailto:biostat.mcpune@bharatividyaapeeth.edu)**

**Bharati Vidyapeeth DTU Medical College, Pune**  
**Department of Community Medicine**  
**Certificate Course of Biostatistics in Medical Research**  
**Batch V- Course Fee Payment Instructions**

Follow the following instruction to pay the Course Fees.

**Step – 1:** >>> Visit the below given Fees Portal website of Bharati Vidyapeeth Medical College, Pune.

<https://www.bharatividyaapeethfees.com/>

**Step – 2:** >>> Click on the **College Fees** Option.

**Step – 3:** >>> **Fill the information** ( ex. - **Full Name, Email Address, Mobile no., Address, State etc.**)

>>> Then Press **NEXT >** option.

**Step – 4:** >>> In the **Select Campus** option **Select Dhankawadi, Pune.**

>>> Then in **Select College Section** Select option **BVDU Medical College Pune ( Skill Development Course)** option

>>> In **Select Faculty / Course** Section Select **Certificate Course** option

>>> Press **Next >**.

**Step – 5:** >>> In **Select Year** section Select **1<sup>st</sup> Year** Option.

>>> In **Select Semester** section select option **Sem-1.**

>>> In **Type of Fees** option Select **Course fee.**

>>> In **Amount** enter the amount **7500.**

>>> Click on **Next >** option.

>>> **Check the filled information** and then click on **Confirm** option.

**Step – 6:** >>> Select the **payment mode** as per your convenience.

>>> Enter a given **Captcha.**

>>> **Enter your credential** in the **selected payment mode** and complete the payment procedure.

**Step – 7:** >>> At Last one **payment invoice/payment receipt** will generate take a **screenshot of it or take print of it and send this print or screenshot of invoice on the mail id: [biostat.mcpune@bharatividyaapeeth.edu](mailto:biostat.mcpune@bharatividyaapeeth.edu)**

If you have any difficulty while making payment feel free to contact us at  
Dr Rupeshkumar Deshmukh –Mob. No. 9766750539